THE GROWING IMPACT OF VENTURE CAPITAL ON MICHIGAN'S ECONOMY



Marquette 2 companies 200 jobs created

Companies Started

There are more than 125 venture capital-backed and/or angel-backed companies located in Michigan.

* Source: MVCA 2010 Annual Report; updated figures will be available April 2015

Jobs Created

More than 2,000 jobs were created at these same Michigan companies and over 6,000 in the last 15 years.

* Source: MVCA 2010 Annual Report; updated figures will be available April 2015

WHAT IS THE MVCA?

The Michigan Venture Capital Association (MVCA) is a statewide association that facilitates communication. builds relationships, promotes advocacy and sponsors programs that support the interests of its members.

Investment Professionals

Venture Funds

Angel Groups

Venture Funds

Fund of Funds

Leelenau

1 company 5 jobs created

Grand Traverse

1 company 10 jobs created

Midland

2 companies 5 jobs created

Kent

7 companies 401 jobs created

Genessee 2 companies 9 jobs created

Ottawa

1 company

3 companies 6 jobs created

Ionia 1 company

10 jobs created Ingham

Oakland 18 companies

18 jobs created 60 jobs created

10 companies 160 jobs created

Kalamazoo 18 companies Van Buren 91 jobs created Jackson

105 jobs created

Wayne Washtenaw 10 companies 41 companies 117 jobs created

25 jobs created

1 company

9 jobs created 624 jobs created Lenawee

1 company

Monroe 1 company

* Source: MVCA 2010 Annual Report; updated figures will be available April 2015

VC Investment Leads to Great lobs

- I out of every 10 jobs in the U.S. was created by a venture-backed company.
- Every \$38,000 of VC investment creates 1 job
- For every \$1 of VC invested, \$6 of revenues is created
- VC creates 50% higher paying jobs than the median salary

VC Investment Diversifies Michigan's Economy

40%

Information Technology

37%

Life Science

16% Advanced Materials & Manufacturing, Alternative Energy

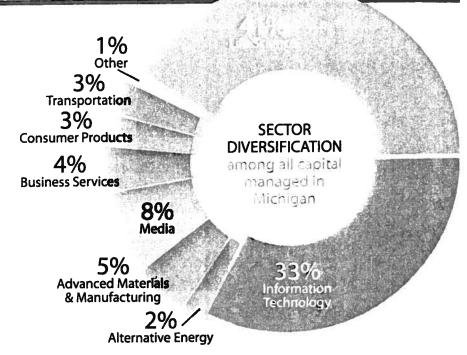
7% Consumer Products and Other

Why Venture Capital is Growing in Michigan?

- State of Michigan has invested in VC growth
- Steady growth in capital to invest in start ups
- Growing number of venture firms to partner with

In the last 5 years, the number of venture capital investment professionals increased by 84% in Michigan, compared to a 13% decrease in investment professionals nationally.

In 2013-14, Michigan-based venture capital firms had \$1.6 billion dollars in capital under management, an increase of 45% in the last 5 years.



KEY FACTS

104 Venture-Backed Companies active in Michigan in 2013-14

\$4.0B Total Capital under Management - \$1.6B Total Capital under Management for firms headquartered in Michigan

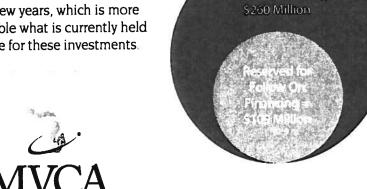
40 companies in Michigan received more than \$120 million in venture capital funding in 2013-14

116 Angel or pre-seed funded companies active in Michigan in 2013-14

36 companies in Michigan received more than \$9.9 million in angel capital funding in 2013-14

Future Need for Venture Capital

Michigan-based portfolio companies will require \$260 million in follow on financing in the next few years, which is more than double what is currently held on reserve for these investments.



Demand for

Follow On Financing =



VENTURE CAPITAL



Venture Investors, LLC

201 South Main St., Suite 900 Ann Arbor, MI 48104

MEMBER



Jim Adox

Key Staff:

Jim Adox - Managing Director John Neis - Executive Managing Director Loren Peterson - CFO

Full Time Professionals: 6

Assets Under Management:

\$201,000,000

Managed Funds: 6

Investment Strategy:

Making seed and early stage venture capital investments in high potential healthcare and technology companies. We specialize in university spinouts from Midwest universities, with a focus on the Universities of Michigan and Wisconsin, where we have our two offices. Our geographic focus is companies in the Midwest, however, we invest nationally with trusted co-investors and entrepreneurs.

Stages of Investment:

Start Up/Early Limited Spatismin Measurine Public

Industry Sectors for Investment:

the information Alternative Adv. Materials Business Consumer Sciences Technology University Media deManufacturing Services Products Other

Life Science Investments:

Phormscenticals Devices: Diagnostics Biotechnology Services Agriculture Other

Information Technology Investments:

Halibare Software Serves Othor

Sources of Capital:

Michigan Israed Non Michigan Venture Michigan 21st Century Itensissance Individuals Institutions Fund Investment Fund Venture Capital Fund Other

Amount Raised/Targeted:

1/1/2016-6/30/2016 Total \$150,000,000 \$150,000,000

Active Portfolio Companies:

Alfalight, Inc. Adv. Materials & Mfg Madison, WI Celleration, Inc. Life Sciences Eden Prairie, MN Chromatin Inc. Life Sciences Chicago, IL Deltanoid Pharmacueticals Life Sciences Madison, WI Virent, Inc. Adv. Materials & Mfg Madison, WI Aerpio Therapeutics, Inc. Life Sciences Cincinnati, OH Akebia Therapeutics, Inc. Life Sciences Boston, MA Cellectar Biosciences Inc. Life Sciences Madison, WI Euthymics Bioscience, Inc. Life Sciences Cambridge, MA Histosonics, Inc. Life Sciences Ann Arbor, Mi NanoBio Corporation Life Sciences Ann Arbor, MI Neurovance, Inc. Life Sciences Cambridge, MA NeuWave Medical, Inc. Life Sciences Madison, WI ProCertus BioPharm, Inc. Madison, WI Life Sciences Silatronix, Inc. Adv. Materials & Mf Madison, WI Tissue Regeneration Life Sciences Plymouth, MI Systems Inc. Great Lakes Pharmaceuticals Life Sciences Broomfield, CO Juventas Therapeutics, Inc. Life Sciences Cleveland, OH Madison Vaccines, Inc. Life Sciences Madison, WI Netsocket, Inc. Plano, TX NeuMoDx, Inc. Life Sciences Ann Arbor Mi Life Sciences ReShape Medical, Inc. San Clemente, CA Thalchemy Corp. Madison, Wi UpTo, Inc. Detroit, MI

Exits Across All Funds:

ZyStor Therapeutics, Inc.	Life Sciences	Milwaukee, WI
LenSx, Inc.	Life Sciences	Aliso Viejo, CA
Inviragen, Inc.	Life Sciences	Ft. Collins, CO
Nerites, Inc.	Life Sciences	Madison, WI
Pattern Insight, Inc.	IT	San Jose, CA
Gala Design, Inc.	Life Sciences	Middleton, WI
Third Wave Technologies, Inc.	Life Sciences	Madison, WI
TomoTherapy, Inc.	Life Sciences	Madison, Wi
NimbleGen Systems, Inc.	Life Sciences	Madison, Wi
IntraLase Corporation	Life Sciences	Irvine, CA
Silicon Logic Engineering	IT	Eau Claire, WI
Guild LLC	IT	Madison, WI
GDXI, Inc.	Life Sciences	Milwaukee, WI
Extrel Corporation	Life Sciences	Pittsburgh, PA
Promega Corporation	Life Sciences	Madison, WI
Office Solutions, Inc.	IT	Madison, WI
Shade Allied, Inc.	Manufacturing	Green Bay, WI
NorthWord Press, Inc.	Publishing	Minocqua, WI
Gareth Stevens, Inc.	Publishing	Milwaukee, WI
Akebia, Inc.	Life Sciences	Cincinnati, Ohio

Portfolio Highlights:

- Akebia Therapeutics successfully completed initial public offering in March 2014.
- BioMarin initiated Phase 3 clinical trial using ZyStor drug, triggering \$13 million milestone payment to former ZyStor shareholders in June 2014.
- Tissue Regeneration Systems (Plymouth, MI) signed collaboration agreement with Johnson & Johnson to develop resorbable implants for large bone defects using TRS's 3-D printing technologies in June 2014.



MISSION

HistoSonics' mission is to be the technology and market leader in non-invasive surgery. HistoSonics histotripsy platform technology will replace traditional surgical and minimally invasive modalities with non-invasive histotripsy procedures that will reduce patient trauma and healthcare costs significantly.

The first histotripsy clinical application will be an office/clinic based system for non-invasive image guided benign prostatic hyperplasia (BPH) treatment.

FINANCING STRATEGY

SERIES A

The Company secured \$14 million in Series A preferred financing (first round, December 2009) from a strong investment syndicate that includes Venture Investors, Hatteras Venture Partners, Fletcher Spaght Ventures, Early Stage Partners and T-Gap Ventures. Use of funds: product development, pre-clinical and clinical studies for the first application: non-invasive BPH treatment.

SERIES B-1

We are seeking \$6-8 million in Series B-1 funding to support implementation of device modifications and clinical studies to ready the Company for its pivotal trial.

SERIES B-2

A \$12 million Series B-2 financing is planned for early 2016. Funds will support the pivotal clinical trials, PMA submission and OUS market launch.

MANAGEMENT AND ADVISORS

Tom Davison, Ph.D. Chairman, former CEO Sontra, Endius (Zimmer) & UltraCision (Ethicon—J&J)

Christine Gibbons, President & CEO, former CFO/COO Sensicore (GE), Venture Investors' EIR, Ardesta, Seaflower Ventures

Jim Bertolina, Ph.D. VP R&D & CTO, former VP R&D Xoran & Technical Director Stryker Liebinger

Charles A. Cain, Ph.D. Co-founder, Chairman SAB

BOARD OF DIRECTORS

Tom Davison
Christine Gibbons, President & CEO
Jim Adox, Venture Investors
Robert Morff, Ph.D. Hatteras Ventures Partners
Renard Charity, Fletcher Spaght Ventures
Andrew von Eschenbach, MD, former FDA Commissioner, NCI
Director, urologist

William Roberts, MD. Co-founder, Chairman CAB

TECHNOLOGY DESCRIPTION

Histotripsy, developed at the University of Michigan (U of M), is a non-invasive soft tissue ablation modality that mechanically homogenizes target tissue resulting in complete cellular destruction. As a mechanism that is non-thermal, histotripsy ablates tissue with no thermal injury. The liquefied tissue is absorbed or voided without remnants or scarring. Histotripsy is characterized by the ideal attributes of a surgical ablation modality:

- Non-invasive: Histotripsy has the potential to replace open and Minimally Invasive Surgical (MIS) procedures.
- Precise: Histotripsy generates precisely focused acoustic pulses that homogenize tissue while keeping temperatures below the thermal injury threshold. Histotripsy can be controlled to exact treatment margins. Consequently, histotripsy can more safely and precisely ablate tumors that are adjacent to vital structures such as vessels and nerves.
- Image Guided Control: Histotripsy is integrated with ultrasound imaging to facilitate pre-operative planning, real-time monitoring and treatment verification.
- Little Scarring or Remnant: Ablated tissue is homogenized into a fluid, with no cellular content, that is rapidly voided or absorbed leaving little scarring or remnant.
- Versatile technology platform: U of M scientists verified potential applications in pre-clinical studies including tumor ablation, fetal heart surgery, thrombolysis, lithotripsy and others.

MARKET POTENTIAL - BPH TREATMENT & BEYOND

Benign Prostatic Hyperplasia (BPH), our first clinical application, is a significant medical problem.

- > 50% of men over 50 and 80% of men over 80 suffer from urinary difficulties due to BPH.
- Over 2 million in the US; at least 4 million worldwide seek treatment annually.
- Current treatments
 - o Medication
 - MIS procedures; TUMT & TUNA
 - Surgical; TURP, PVP laser
- ➤ BPH 375K interventional procedures in the US. Worldwide potential market over \$500 million.
- Pre-clinical feasibility has been demonstrated for new applications including tumor ablation, thrombolysis and lithotripsy.

INTELLECTUAL PROPERTY

HistoSonics secured an exclusive worldwide license to the U of M's histotripsy patent portfolio. Today, HistoSonics' IP portfolio includes four issued patents, 20 U.S. patent applications (4 of which national phase filings have been initiated) and numerous invention disclosures.

MARQUETTE Pioneer Surgical Technology

Venture Capital in Michigan by Location

LELAND

WEST MICHIGAN

SPRING LAKE

American Glass

TRAVERSE CITY

GRAWN

CLARE

Advanced Battery Concepts

GRAND RAPIDS

Plumstone, in Blue Medora, LLC Mock Draft Central Syzygy Biotech Tetra Discovery Partners LLC

SARANAC

Biophotonic Solutions

BYRON CENTER

GRAND HAVEN

ZEELAND

wnstream, LLC

 Grand River Aseptic Manufacturing HOLLAND JACKSON

CREATIVE BYLINE Fagle Rotary IDV Solutions

NanoRETE Innovative Surgical Solutions **KALAMAZOO**

Ablative Solutions Aursos, Inc Axonia Medical, Inc. Micro Machine Company

HILLMAN

Gluten Free Foods, LLC

MIDLAND

Midland Solar Applications, LLC

MAYVILLE

Frab A Cano

LANSING

XG Sciences

AFID Therapeutics, Inc.

EAST LANSING

Inpore Technologies, Inc.

Supported Intelligence LLC

Gema Diagnostic

FLINT

Global Energy Innovations, Inc.

PORT HURON Parking Carma, Inc

YPSILANTI PRODUCTS, INC

DEERFIELD

DETROIT and the METRO AREA

365 Retail Markets, Algal Scientific Corporation, Arbor Plastics Technologies,

, SherTrack, Shopwithit, Spider9, Inc., Sunlogics, TM3 Systems, Inc., Unitask, Software, UpTo,

ANN ARBOR AREA

MAP KEY

Venture-Backed

Companies

Angel-Backed

